

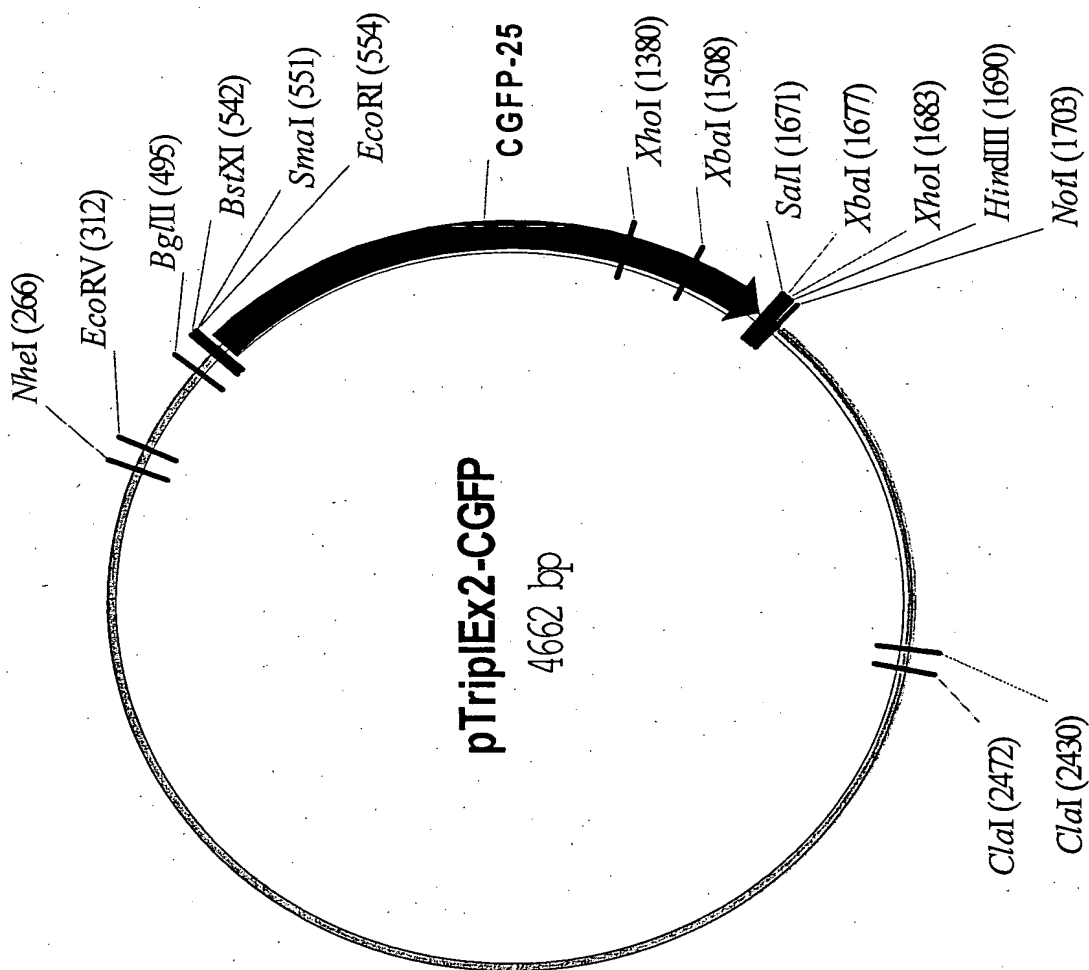
Figures**Fig. 1****BEST AVAILABLE COPY**

Fig. 2

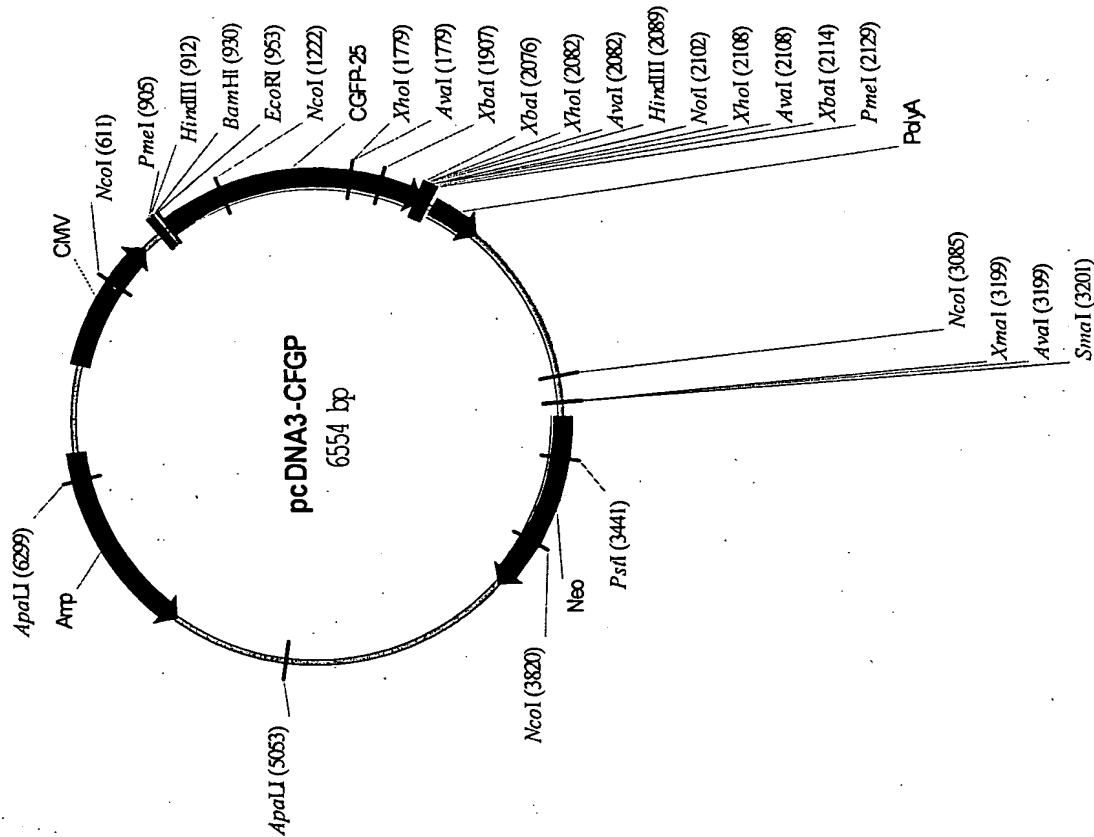




Fig. 3

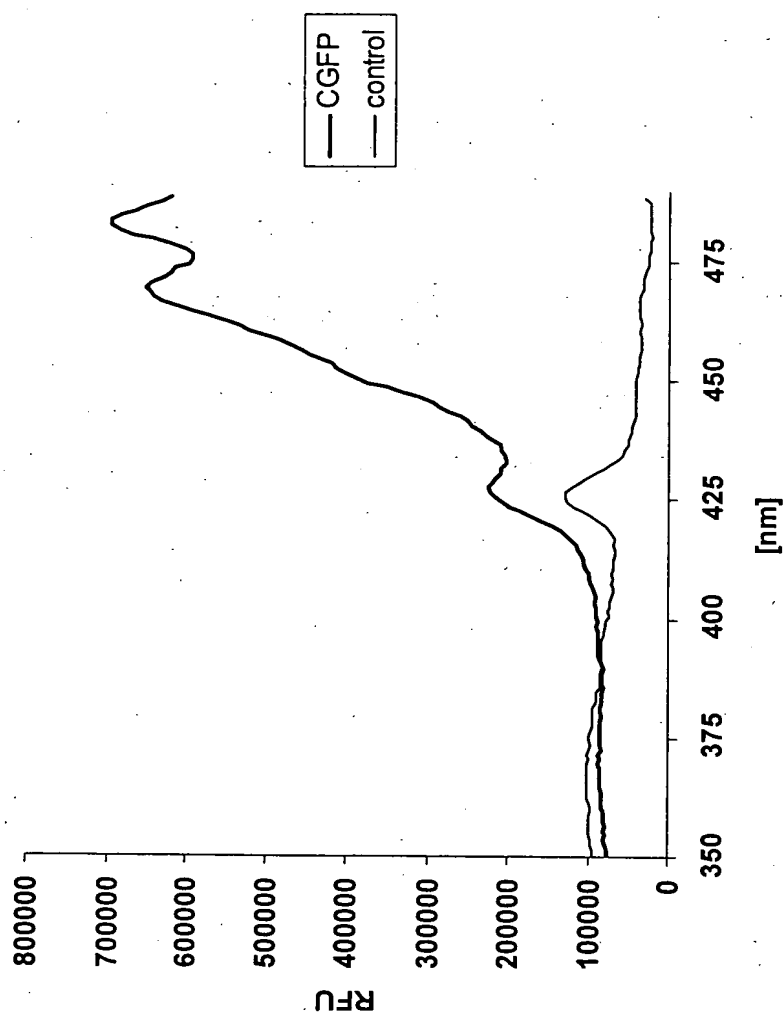


Fig. 4

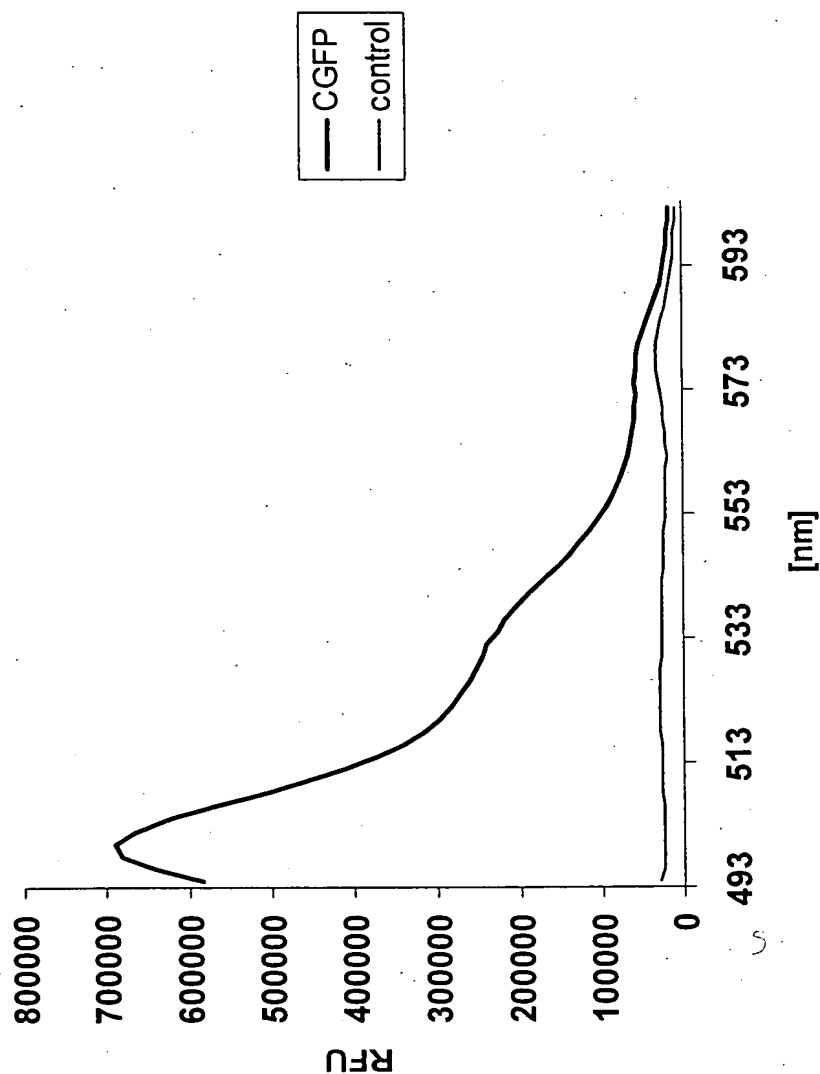


Fig. 5

Fig. 6

CGFP_Cly 000:MTALTEGAKLFEKEIPYITELEGDVEGMKFIIKGEGTGDTTGTIKAKYICTTGD-LPVP
GFP_Aeq 000:...MSKGEELFTGVVPILVELDGDVNGQKFSVSGEGDATYKLLTKFICTTGK-LPVP
GFP_Ren 000:MSKQILKNTCLQEVMSYKVNLEGI VNNHVFTMEGCGKGNILFGNQLVQIRVTKGAPLPFA

CGFP_Cly 060:WATILSSLSYGVFCFAKYPRHIA--DEFFKSTQPDGYSQDRIISFDNDGQYDVKAKVTYEN
GFP_Aeq 060:WPTLVTTFSYGVCFSRYPDHMKQHDEFFKSAMPEGYVQERTIFYKDDGNKYKTRAEVKFEG
GFP_Ren 060:FDIVSPAFOYGNRTFTTKYPNDIS--DYFIQSFPAGFMYERTLRYEDGGLVEIRSDINLIE

CGFP_Cly 120:GTLYNRVTVKGTGFKSNGNILGMRVLYHSPPHAVYILPDRKNGGMKIEYNKAFDVMGGH
GFP_Aeq 120:DTLVNRIELKGIDFKEDGNILGHKMEYNYNSHNVYIMADKPKNGIKVNFKIRHNIKDGSV
GFP_Ren 120:DKFVYRVEYKGSNFPDDGPMQKTI LGIEPSFEAMYM----NNGVLVGEVILVYKLNLSGK

CGFP_Cly 180:QMARHAQFNKPLGAWEEDYPLYHHLT--VWTSFGKDPDDDET DHLTIVEVIKAVDL-----
GFP_Aeq 180:QLADHYQQNTPIGDGPVLLPDNHLYLS--TQSALSKDP-NEKRDHMILLEFVTAAGITHGM
GFP_Ren 180:YYSCHMKTLMKSKGVVKEFPSYHFIIQHRLEKTYVEDGGFVEQHEATAIAQMTSIGKPLGSL

CGFP_Cly 240:-ETYR
GFP_Aeq 240:DELYK
GFP_Ren 240:HEWV

Fig. 7

CGFP_Cly_000:atgactgcacttaccgaaggagcaaaactgttcgagaaagaaattccctacattacagag
GFP_Ren_000:atgagtaaacaaaattattgaagaacacttgtttacaagaagtaaatgtcgtataaaagtaaat
GFP_Aeq_000:atgagtaaaaggagaagaacttttcactggagttgtcccaattcttgttgaattagatggc

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GFP_Ren_060:ctggaaggaaattgtaaacacaacctgttttacaaatggaggttgcggaagggaatatt
GFP_Aeq_060:gatgttaatgggcaaaaattctctgtcagtggaagggtgaaggatgatgcaacatacggga

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GFP_Ren_120:ttattcggcaatcaactgggttcagattcgtgtcacgaaagggccccactgccttttgca
GFP_Aeq_120:aaacttacccttaaaatttatattgcactactgggaagctacctgttccatggccaacactt

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GFP_Ren_180:tttgataattgtgtcaccagcttttcaatatggcaaccgtactttcacgaaatatccgaat
GFP_Aeq_180:gtcactactttctcttatgtgttcaatgcttttcaagatacccagatcatatgaaacag

CGFP_Cly_240:attgccgactttttcaagagcacacaaccagatggtattcacaaagacagaatcattagtg
GFP_Ren_240:gatatatcagattattttatatacaatcatttccagcaggatttatgtatgaacgaacatta
GFP_Aeq_240:catgactttttcaagagtgccatgcccgagggttatgtacaggaaagaactatattttac

CGFP_Cly_300:tttgacaatgatggacaatacgaatgtcaagccaagggttacttatgaaaaacggaacactt
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GFP_Aeq_060:gatgttaatgggcaaaaaattctctgtcagtgaggaggggtgaagggtgatgcaacatacggg

CGFP_Cly_120:actactggcaccatcaaagcgaaataatatgtgcacaaactggtgaccttcctgtaccatgg
GFP_Ren_120:ttattcggcaatcaactgggttcagattcgtgtcacgaaagggccccactgcctttttgca
GFP_Aeq_120:aaacttacccttaaatattattgactactggaagctacctgttccatggccaacactt

CGFP_Cly_180:gctaccatcttgagtagtttgtcgtatggtgttttctgttttcgtaagtatccacgccac
GFP_Ren_180:tttgataattgtgtcaccagcttttcaaatatggcaaccgtactttcacgaaatatccgaat
GFP_Aeq_180:gtcactactttctcttatggtgttcaatgcttttcaagatacccagatcatatgaaacag

CGFP_Cly_240:attgccgactttttcaagagcacacaaccagatggttattcacaagacagaatcattagt
GFP_Ren_240:gatatatcagattattttatacaaatcatttccagcaggatttatgtatgaacgaacatta
GFP_Aeq_240:catgactttttcaagagtgccatgcccgagggttatgtacaggaagaaactatatatttac

CGFP_Cly_300:tttgacaatgatggacaatacgaatgtcaaaagccaagggttacttatgaaaaacggaacactt
GFP_Ren_300:cgttacgaagatggcggacttgttgaaattcgttcagatatataaatttaatagaagacaag
GFP_Aeq_300:aaagatgacgggaactacaagacacgcgtgctgaagtcaagtttgaaggatgatacccttgtt

CGFP_Cly_360:tataatagagtcacagtcaaaaggtagtggttcaaatcaaacggcaacatccttggtatg
GFP_Ren_360:ttcgtctacagagtggaaatacaaaaggtagtaacttccagatgatggtcccgtcatgcag
GFP_Aeq_360:aatagaatcgagttaaaagggtattgattttaaagaagatggaaacatttcttggacacaaa

CGFP_Cly_420:agagttctctaccattcaccaccacacgctgtctacatccttcctgaccgtaaaaatggt
GFP_Ren_420:aagactatcttaggaatagagccttcatttgaagccatgtacatgaataatggcgtcttg
GFP_Aeq_420:atggaatacaactataaactcacataatgtatacatcatggcagacaaaccaaagaatgga

CGFP_Cly_480:ggcatgaaaaattgaatacaataaaggcttctcgacgttatggcggtggtcaccaaatggcg
GFP_Ren_480:gtcggcgaagtaattcttgtctataaaactctgggaaatattattcatgtcacatg
GFP_Aeq_480:atcaaaagttaacttcaaaattagacacacacattaaagatggaagcgttcaattagcagac

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GFP_Ren_540:aaacattaatgaagtcgaaagggtgtagtaaggagtttccttcgtatcatcttatttcaa
GFP_Aeq_540:cattatcaacaaaataactccaattggcgatggccctgtccttttaccagacaaccattac

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GFP_Aeq_600:ctgtccacacaatctgccctttccaaagatcccaacgaaaaagagagatcacatgatcctt

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GFP_Ren_660:attgctcaaatgacatctataggaaaaccactaggatccttacag-----aatg
GFP_Aeq_660:cttgagtttgtaacagctgctgggttacacatggcatggatgaactatacaataaatg

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GFP_Aeq_720:tccagacttccaattga

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